Claims

1. An apparatus to determine position coordinates from sensing linear acceleration relative to space (inertia), comprising:
-a linear acceleration sensor; and
-an integrator,
wherein the acceleration is integrated at a rate appropriate for the resolution of the position coordinate.

2. The apparatus of claim 1 further including an analog-to-digital converter.

3. The apparatus of claim 2 further including a digital adder.

4. The apparatus of claim 1 further including a disable button operated externally by the user to allow said pointer to be moved in space without a corresponding detection of motion.

5. A method to determine position coordinates from sensing linear acceleration relative to space (inertia), comprising:
-detecting acceleration; and
-integrating said acceleration into position,
wherein said acceleration is integrated at a rate appropriate for the resolution of the position coordinate.